CLAIMS:

1.   A system for transmitting real-time data between an access point and one or more first clients in a wireless network, the system comprising:

-        an access point operating with a Transmission Control Protocol/Internet Protocol suite including the User Datagram Protocol,

5   -   two or more clients associated with the access point to form a wireless network, and

-        a traffic shaper module held by the access point for delaying the transmission of at least some packets from the access point to other clients than the one or more first clients, at least when real-time data is transmitted between the access point and a first client.

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2.   A system according to claim 1, wherein the traffic shaper module forms part of the network interface layer in the TCP/IP protocol stack.

3.   A system according to claim 1, wherein the traffic shaper module comprises
15   elements adapted to examine a header of packets to be transmitted from the access point and, if the packet is recognized as real-time data one of the one or more first clients, not to delay the transmission of said real-time data.

4.   A system according to claim 1, wherein the traffic shaper module comprises
20   an element adapted to examine headers of packets to be transmitted from the access point and, if the packet is recognized as a TCP Acknowledgement to another client than the one or more first clients, to delay or discard the transmission of said TCP Acknowledgement.

5.   A method for transmitting real-time data between an access point operating
25   with a Transmission Control Protocol/Internet Protocol suite including the User Datagram Protocol and one or more first clients in a wireless network, the method comprising the steps of:

-        controlling data transmission between other clients in the wireless network and the access point to allocate a greater bandwidth to the one or more first clients, the step of

controlling said traffic comprising the step of delaying or discarding the transmission of at least some TCP Acknowledgements from the access point to other clients,

- transmitting real-time data between the access point and a first client.

5   6.   A method for controlling data transmission from clients in a wireless network to an access point of said wireless network, the access point and the clients operating with a Transmission Control Protocol/Internet Protocol suite including the User Datagram Protocol, the method comprising the steps of:

- receiving downstream data packets at the access point,

10   - examine the headers of said packets to determine if a data packet is a TCP Acknowledgement to a client in the wireless network,

- determining whether the available bandwidth for said client will be exceeded by upstream data packets from the client, and, if it will, delaying the transmission of said TCP Acknowledgement from the access point to the client.

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7.   A record carrier comprising information which when loaded into or executed by a computer, performs one or more of the steps according to claim 5 or 6.